Part Bill No. 1

AEE/TDSD/SB2/0015/18-19 dt. 16/4/18

No.

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For other works)

Date:

Division Dasarahalli

Sud Division Shettyhalli

Bill Account No ..... Dated..... Cash Book Voucher No..... Dated.....

Schedule Docket No .....

Name of work (as Per Sanctioned Estimate):- **Providing and sinking of borewells, pump, motor and water supply lines in ward no 14 Bagalagunte**

Head of Account.....

Name of Contractor and Full Address: :-**Technical Manager (west) Karnataka Rurral Infrastructure Development Limted, Project Implementation Unit, Madhavanagara bangalore 560 001.**

Reference to Agreement No: BBMP/EE/DD/WO/121/2017-18

Certified that the measurements were taken by me on 9/4/2018 and recorded in pages 64322 to 64337

Measurements Book No. 644/2017-18 and that the work is satisfaction executed

Contractor Signature

Officer-in-charge of work.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Measurements were taken by me on 9/4/18 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer 9/4/18

If Memorandum of Payment **Work Code No. 014-18-000078**

		Amount
1		
2	Total Value of work done or supplies made as per account.	1st and Finall Bill → 3969226=00
3	Deduct amount to be held in reserve being ..... Percent Rs.	
4	Deduct payments:	IT → 79385=00
	a) Amount of previous payment as in the office Cash Book Vocher No..... Dated..... S.D. No.....	FSD → 198461=00
	Amount adjusted towards cash advance recovery of	LWC → 39692=00
	b) Payments cost store or other materials supplied.	LR → 2550=00
5	Balance being unpaid value of work done held in reserve	CSF → Total 3969=00
6	Deduct cash advance made on the office cash book vehicle No..... Dated..... Less adjustments	(-) 324057=00
7	Net amount due to or from contractor	Net → 3645169=00
8	Unadjusted items Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	

16/4/18

EXECUTIVE ENGINEER
KRIDL, BBMP DIVISION
BENGALURU-560 010

Received Rs.....(in wards).....

By cash and by adjustment of payment as per memorandam.

Witnesses:
1
2
Date:.....

Paid by me by cheque..... Dated.....
Cash Rs..... Dated.....
Initials of Officer making payment dated.....

Audited and admitted for Rs. 3969226=00
Passed by Cheque for Rs. 3645169=00
(for use in the office)
(..... 324057=00 .....)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010
Accounts Superintendent

Signature of Contractor
Asst. Engineer
Executive Engineer

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Sl No.	Description of Items	Unit	Previous Measurement			Present Measurement			Total Up-to-date	
			Qty.	Rate	Cost	Qty.	Rate	Cost	Qty.	Cost
1	Geophysical survey Geophysical investigation of site for sinking Borewell for supplying drinking water to the ... either through the hand pump MWS O PWSS by vertical electrical sounding by adopting veneer or Sch... method including reconnaissance survey of Geological formation Geophysical investigation of existing gr... the vicinity its quality quantity & acceptability of the users indicating the location of site recommended depth ... pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated form... proper washing of casing pipe depth of drilling required to cover full depth of aquifer proposed to be tapped ... yield and other information required including transportation of instrument and accessories to work site ... technical personal and labour required etc	Each				4.00	1882.00	7528.00	4.00	7528.00
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & ... all strata including over burdern upto 20 M fixing of casing pipes collars and cap with necessary cutting threadi... welding including transportation of rig and supporting vehicle crew charges and cost of consumables etc co... including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of ... pipes collars cap etc .									
a	0 to 50 m	Rmtr				200.00	306.00	61200.00	200.00	61200.00
b	50to 100m	Rmtr				200.00	400.00	80000.00	200.00	80000.00
c	100 to 150m	Rmtr				200.00	445.00	89000.00	200.00	89000.00
d	150to 200m	Rmtr				200.00	470.00	94000.00	200.00	94000.00
e	200 to 250m	Rmtr				200.00	544.00	108800.00	200.00	108800.00
f	250 to 300 mm					200.00	583.00	116600.00	200.00	116600.00
g	300 to 350 mtr	Rmtr				200.00	622.00	124400.00	200.00	124400.00
3	Supplying of ISI Mark 175mm Nominal bore plain end steel casing pipe grade of steel Fe 410 of wall thickness 5 ... thick confirming to IS 4270 2001 and latest emendments electric resistance welded steel tube material and confirms ... IS 1387/1993 and manufactured by basic open hearth electric or basic oxyzen process in random length of 4 to 7 ... Both ends threaded confirming to IS 554/1985 one end fixed with a socket confirming to IS 4270 2001 and the o... end with screwed pipes all pipes shall be reasonably straight should be with ISI making, welding, weighing 25.10 kg... (inclusive of all taxes and duties) Prices include collar medium duty	Rmtr				200.00	1325.00	265000.00	200.00	265000.00
	Additional rate on time No. 2 is allowed for drilling in over buton and folling casing pipes beyond 20mtrs at 15% a... bepmd 30mtrs 30% on basic rate of Rs. 306 is allowed									
	Above 20mtrs and Upto 30	Rmtr				40.00	45.90	1836.00	40.00	1836.00
	Providing 175 mm dia MS Collar (RDED SR page ii item 86)	Each				40.00	150.00	6000.00	40.00	6000.00
	Providing 175 mm dia MS Cap					4.00	100.00	400.00	4.00	400.00
	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ make suitable for vertical installation ... 50 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel ... oupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cage submercible ... duction motor suitable for operation of 3Ph, 5OHz 380/440 volts AC supply fitted with required accessories such as ... uction, casing, suction strainers, sand guard Non return valve etc Complete the pump and motor shall from an integral ... it with all the required fittings 12.50 HP 25 stage ATALANTA, SUGNA, CRI, KIRLOSKAR and other Equivalent ... mps	No				4.00	70600.00	282400.00	4.00	282400.00
	pplying and drawign 3 crore Flat PVC Shalted Submeriable Pump cable Manufactured with Electrilytic Grade ... oper with Fexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeted ... able for working Voltage UPto 1100 Volts BWSSB SR 2014-15	Mtr				2790.00	188.70	526473.00	2790.00	526473.00
	plying and fixing 50mm Non Return Valve of vertical type of approved make including coat of all materials labour ... d of equipment with all leads complete as per specificaiton	Nos				4.00	1145.00	4580.00	4.00	4580.00
	dying and fixing 50mm GM Gate Vavle	Nos				4.00	1600.00	6400.00	4.00	6400.00
	lying and fixing 175mm Borewell cap with clampset as per approved rate per SERED Letter No. 2081/2010-11	Nos				4.00	500.00	2000.00	4.00	2000.00
	ying and fixgn 50mm GI Union PWD SR 2015-16	Nos				4.00	223.70	894.80	4.00	894.80
	ring and fixing 50mm GI Elbow	Nos				12.00	111.80	1341.60	12.00	1341.60

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								Unadjusted rate			
14	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Control... indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm ... mechanically strong vermin and water proof The unit shall have two detachable doors suitable for ... on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs shou... provided inside the door canopy apron and louvers ventilators shall be provided the combined ener... cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be ... etc , complete the panel board shall be consist etc , complete the panel board shall be fabricated on ... unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10... 15 hp PRED ISSUE RATE	Nos				4.00	10000.00	40000.00	4.00	40000.00
15	Providing and fixing 50mm G. I Pipe G 1 piep 'C' class heavy duty for erectionof submersible pump... galvanised tube 50mm supply and delivery of cause heavy duty as epr IS/239/1990	Mtrs				1100.00	519.30	571230.00	1100.00	571230.00
16	supplying and fixing 50mm GI Coller heavy duty PRED SR 2012-13	Nos				184.00	150.00	27600.00	184.00	27600.00
17	Erection of combined panel board and meter unit with necessary mateials and labour including provi... cement concrete foundaton bed cont door type etc,I	Nos				4.00	475.00	1900.00	4.00	1900.00
18	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps P-521, Group-B-1... BWSSB SR 2013-14.	Nos				4.00	1320.00	5280.00	4.00	5280.00
19	Supplying and fixng 500x500x65nn polished wood board made up not less than 15cms thick plank with front plank ... end providid for holding at other end fixing the same of the valve using thorugh bolts and nuts	Nos				4.00	302.00	1208.00	4.00	1208.00
20	supplying & fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V... electrical SR 2010-11,	Nos				12.00	385.00	4620.00	12.00	4620.00
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiri... 7/20 or 7/36 copper wire	Nos				40.00	27.50	1100.00	40.00	1100.00
22	Supplying and fixing and wiring heavy duty low voltage capacitors confirming to 2834, 3 PHASE 400/440 Volts grade ... power factor improvement of rotating machinery capacitor in KVAR rating Nos 2 KVAR Capacity P-402 1-3 (a) BWSS... SR 2012-13	Nos				4.00	385.00	1540.00	4.00	1540.00
23	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials an... wiring complete a s requried	Nos				4.00	880.00	3520.00	4.00	3520.00
24	Supplying fixing, wiring, earth electrode for grounding conduits I C cutouts and other equipments on the meter board using 40mm dia 2 90 thick GI pipe 2 50 mtr long buried in a pit the pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to compelte d epth, the connection from the pepe to the conduit et c, is to be established though GI wire of size as oer ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., complete as per specifications.	Nos				4.00	1650.00	6600.00	4.00	6600.00
25	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25 mm on pole	Nos				40.00	286.00	11440.00	40.00	11440.00
26	Supplying, fixing, wiring earth electrode for grounding conduits. LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia P-552, I-7, BWSSB SR 2013-14.	Nos				4.00	1650.00	6600.00	4.00	6600.00
7	Supplying 1.1 K.V class UG cable form nearest BESCOM pole to panel board including earth work and road restorati... 4 core 16 sqmm	Mtrs				120.00	165.00	19800.00	120.00	19800.00
	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe/stoneware pipe/on pole as required	Mtrs				120.00	5.50	660.00	120.00	660.00
	Digging of trenches of 0.6m deep x0.05 mtr wide refilling the trench to the required ground level and consolidating etc complete (As per Civil SR KSRB 1-2 P-7) P No 61/1 7 9.3 KPWD Electrical SR 2014-15	Mtrs				60.00	44.00	2640.00	60.00	2640.00
	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with necessary bitumen insulating compound complete with terminals, clamps, bolts, nuts, washers etc	Nos				4.00	264.00	1056.00	4.00	1056.00

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31	Supplying and fixing of porcelain fuse dhannel with cut-out on exisitng/new wooden panel using necessary nuts and washers etc .						
32	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricades danger lighting etc , in the asphalt surface road	24.00	440.00	10560.00	24.00	10560.00	
33	Providing and laying in position plain cement concrete of mix 1 4 8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates # .85cum and fine aggregates @ 0 57cum machine mixed, concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth, including cost of all materials, labour HOM machinery curing complete as per specificaiton	158.40	311.64	49363.78	158.40	49363.78	
34	Providing and laying in position plain cement concrete of mix M 2 4 with cement @ 240 kgs. with 20mm and down graded granite metal coarse aggregates 0 69cum and fine aggregates @ 0 459cm machine mixed, concrege laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all all materals labour HO of machinery curing complete as per specificaiton	40.03	5159.02	206515.57	40.03	206515.57	
35	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or trenches 1 5m and above in width, in hard soil not exceeding 1 5 m in depth including dressing the bottom and sides pits and trenches, staking the excavatred soil clear form edges of excavation with lead upto 50 m after breaking clods complete as per specification	40.03	5767.16	230859.41	40.03	230859.41	
36	Providing and installing at site of work P V C pipes including cost of pipes and specials and labour including lowering in trenches, laying true to line, level and perfect linking at joints lead proof including jointing of approved type with al and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel selected earth available form the excavation etc , complete PVC pipes of 6 kg /Sqm 75mm Dia	800.64	259.70	207926.21	800.64	207926.21	
37	Supplying and fixing 50mm GI pipes B class heavy duty As per Bwssb store issued rate) GI pipe using for Road crossing pipes	1760.00	130.38	229468.80	1760.00	229468.80	
38	Refilling availabe earth around pipe lines, cables in layers nto exceeidng 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5 m including cost of all labour complete as per specificaiton	40.00	325.00	13000.00	40.00	13000.00	
39	Transportation of pumping machineries	667.80	80.56	53797.97	667.80	53797.97	
40	Erection of Pumping machineries PRE SR 2012-13	4.00	900.00	3600.00	4.00	3600.00	
41	BESCOM charges 1163874.	48.00	900.00	43200.00	48.00	43200.00	
		4.00	1163870	3589941 = 00	4.00	3589941 = 00	
	KIRDL Charges 11%			3589939.14		3589939.14	
	Miscellaneous and rounding off			46552 = 00		46552 = 00	
				3969226 = 00		3969226 = 00	

CERTIFICATE

This is to certify that the contractor has completed the work satisfactorily

The contractor has cleared the debries from the work sport

The contractor has used his own vehicles for the coveying the debries

There are no departmental issues for the above work.

Executive Engineer
Contractor

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